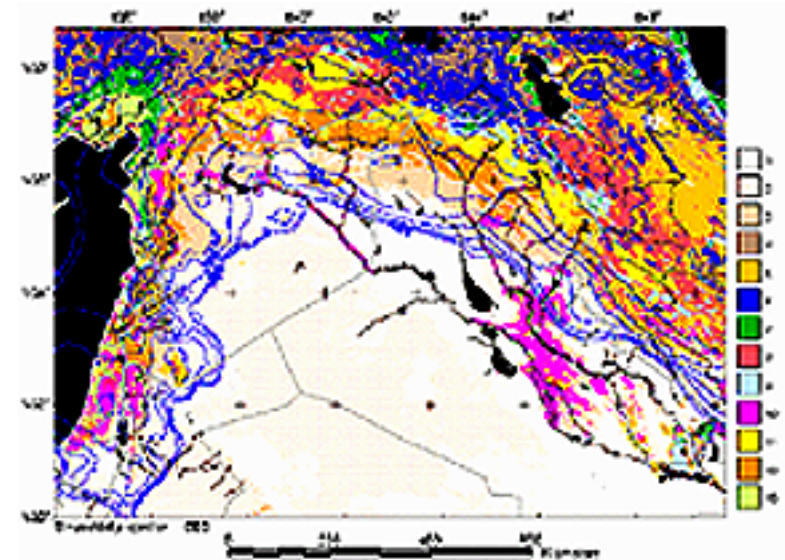
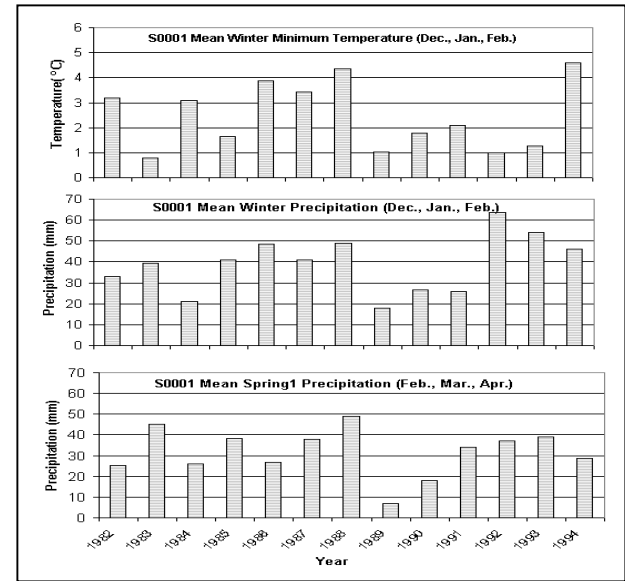


Climate Change and Human Response in the Semi Arid Near East

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- Quantify aspects of regional environmental change on the mesoscale (5-500km) related to interannual climate variation, alterations in population density and agricultural strategies in the Middle East.
- Using remote sensing (AVHRR and Landsat), climate data, and field work with local experts, assess the drivers of regional environmental change and model land cover changes.
- Supplemental irrigation in the spring creates problems in the satellite landcover classification, therefore summer crops will be focus
- Winter precipitation (Dec, Jan, Feb) and minimum temperatures in the spring (Feb, Mar, April) are strong influences on specific vegetation zones in different months.
- Potential polciy impacts:
 - farming and grazing on marginal areas,
 - cropping efficiency
 - Irrigation; water consumption,
 - land restoration,
 - population growth and migration



SWAP13 Multitemporal Unsupervised Classification of 1km Composite NDVI 10/1992-9/1993